

# APICAL

INDUSTRIES, INC.

ENGINEERING CHANGE NOTICE NO.

04389

SHEET 1 OF 1

DWG NO. 647.9400

REV: A

PREPARED BY J. SOTO

DATE: 01/28/2014

EFFECT ON DWG  
☒ INC. ☐ UNINC.

DWG TITLE: DEFLECTORS

APPROVED BY: ENGR *[Signature]*

MFG *[Signature]*

QC *[Signature]*

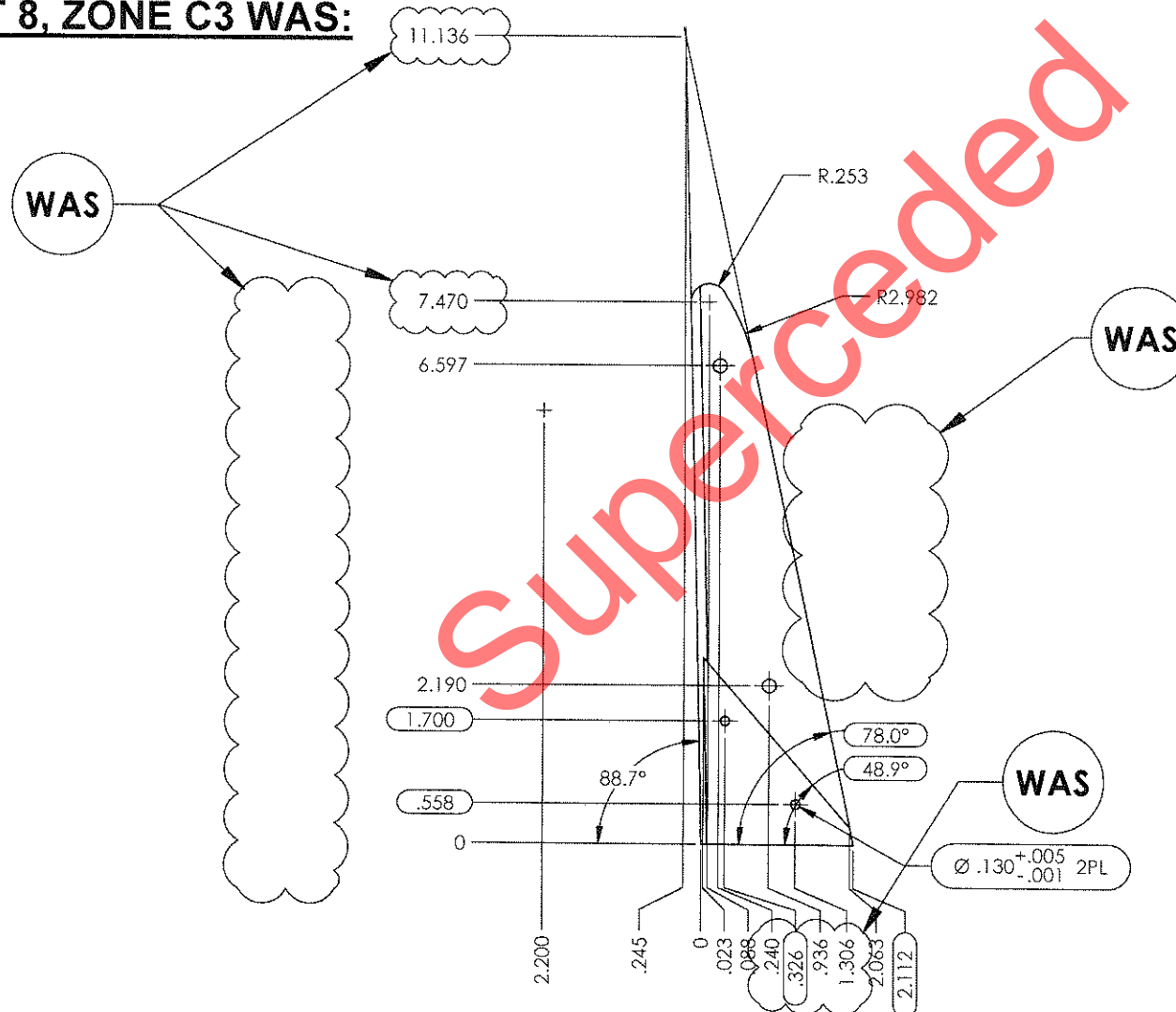
EFF. NEXT ORDER

TRANSACTION CODES (TC):  
A-ADD  
R-REVISE  
C-CREATE  
D-DELETE

REASON: REVISED, ADDED, & DELETED INSPECTION DIMENSIONS TO 647.9414.

ECR: D-14-01

**SHEET 8, ZONE C3 WAS:**



DOCUMENTS EFFECTED:

☐ MDL ☐ INSTALL INSTRUCTIONS ☐ ICA ☐ FMS ☐ BOM

CHANGE CATEGORY

☐ MAJOR ☒ MINOR

DER REVIEW REQUIRED

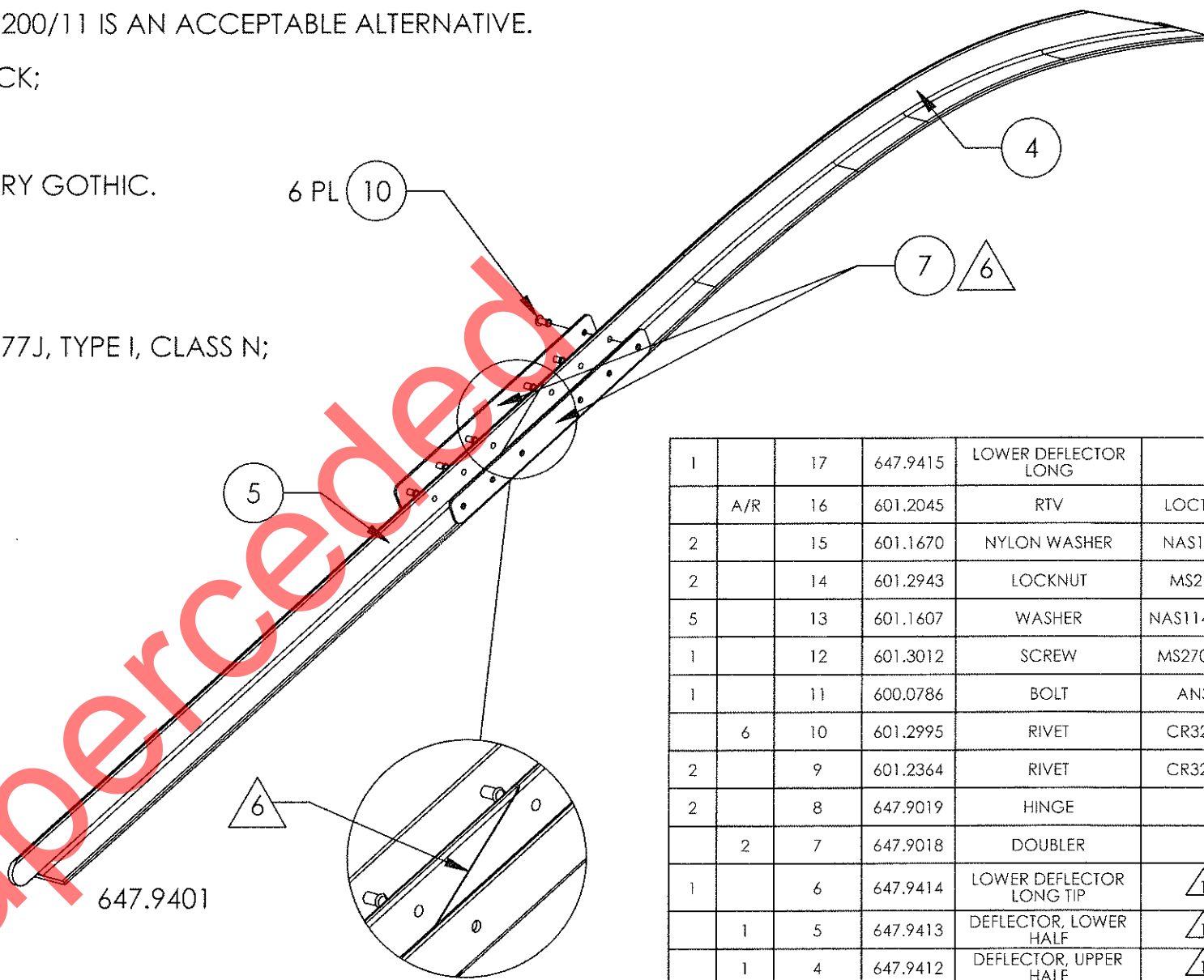
☐ YES ☒ NO

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	LAST PROTOTYPE RELEASE: PR1		
N/C	INITIAL RELEASE	06-09-10	P. BRAVO
A	INCORPORATE ECN 03027, 03065, 03215 & 03654.	10-23-12	J. GARDINER
B	INCORPORATE ECN 03739, 03742, 04230 & 04389.	01-28-14	P. BRAVO

NOTES: UNLESS OTHERWISE SPECIFIED

- 1 MATERIAL: ALUMINUM 7075-T651 PER AMS-QQ-A-250/12. AMS-QQ-A-200/11 IS AN ACCEPTABLE ALTERNATIVE.
- 2 FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III, CLASS 2, COLOR BLACK;
3. DE BURR AND BREAK ALL SHARP EDGES.
4. IDENTIFY IAW MPP-120. LASER ETCH P/N AND REVISION, 12 PT. CENTURY GOTHIC.
5. ALL DIMENSIONS SHOWN PRIOR TO FINISH.
- 6 APPLY F/N 17 TO FAYING SURFACES.
- 7 FINISH: PRETREAT PR-148 ADHESION PROMOTER, PRIME IAW MIL-P-23377J, TYPE I, CLASS N; 1-2 MIL MAX. APPLY FINISH AFTER ASSEMBLY.
- 8 TORQUE 15-20 IN.-LBS.
- 9 DIMENSION SHOWN IS FOR INSPECTION AFTER FINISHING.

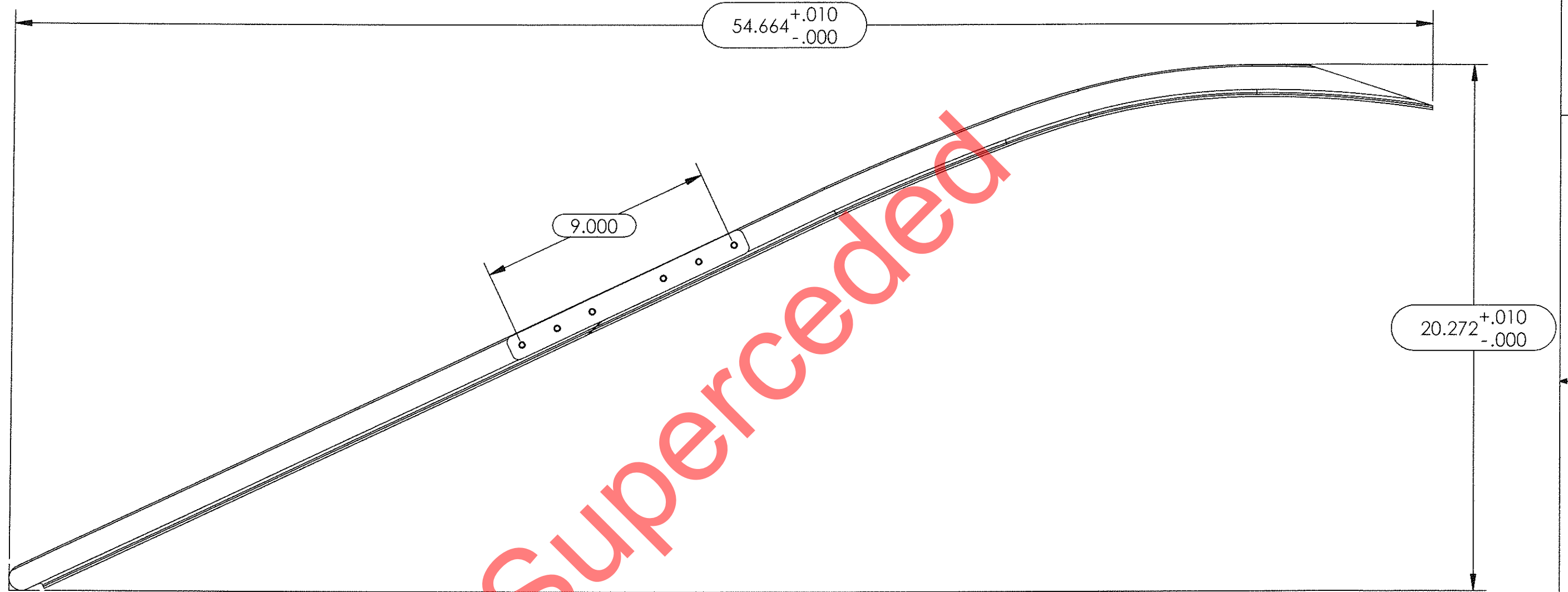


1		17	647.9415	LOWER DEFLECTOR LONG		
	A/R	16	601.2045	RTV	LOCTITE 598	
2		15	601.1670	NYLON WASHER	NAS1515H3L	
2		14	601.2943	LOCKNUT	MS21042-3	
5		13	601.1607	WASHER	NAS1149F0332P	
1		12	601.3012	SCREW	MS27039-1-15	
1		11	600.0786	BOLT	AN3C7A	
	6	10	601.2995	RIVET	CR3213-6-6	
2		9	601.2364	RIVET	CR3213-4-8	
2		8	647.9019	HINGE		
	2	7	647.9018	DOUBLER		
1		6	647.9414	LOWER DEFLECTOR LONG TIP	1	2 7
	1	5	647.9413	DEFLECTOR, LOWER HALF	1	2
	1	4	647.9412	DEFLECTOR, UPPER HALF	1	2
1		3	647.9501	QUICK RELEASE PIN ASSY		
		2	647.9411	UPPER DEFLECTOR	1	2 7
		1	647.9410	LOWER DEFLECTOR	1	2 7
			647.9402	LOWER DEFLECTOR LONG ASSY		
			647.9401	DEFLECTOR ASSY		7
.9402	.9401	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.

QTY		PARTS LIST			
NEXT ASSY (S)		ORIGINAL DATE (MO-DA-YR) 06-09-10		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
647.8900		DRAWN BY R. ROSANO			
647.9200		CHECKER P. BRAVO			
		DRAWING APPROVAL P. BRAVO 06-09-10			
		CONTRACT No.		DEFLECTORS	
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.03 3 PLACE DECIMALS ±.010 ANGLES ±.5°			
SRE	CAGE CODE	DWG. NO.		REV.	
B	07MZ6	647.9400		B	
SCALE NONE				SHEET 1 OF 9	

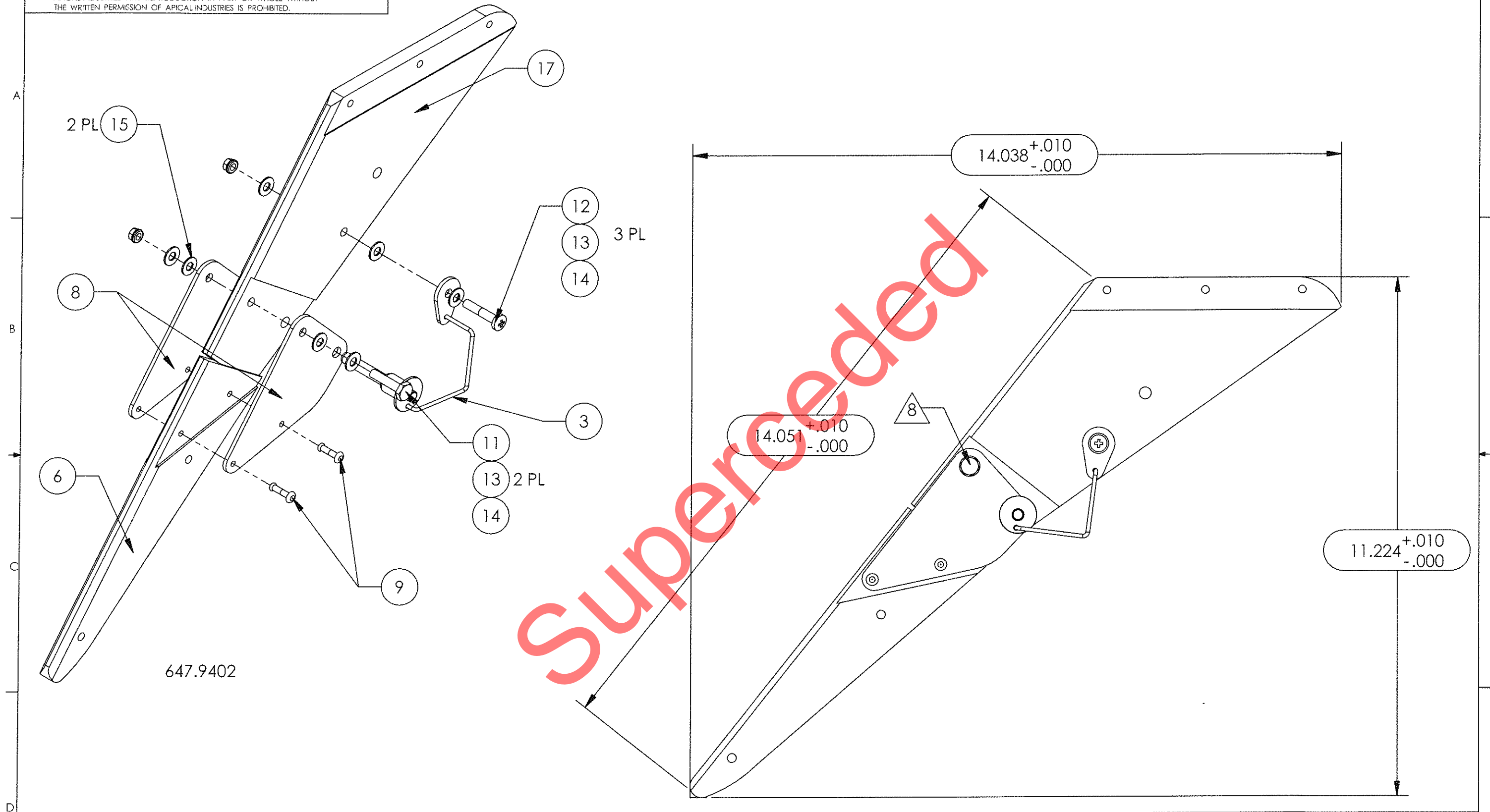
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A  
B  
C  
D



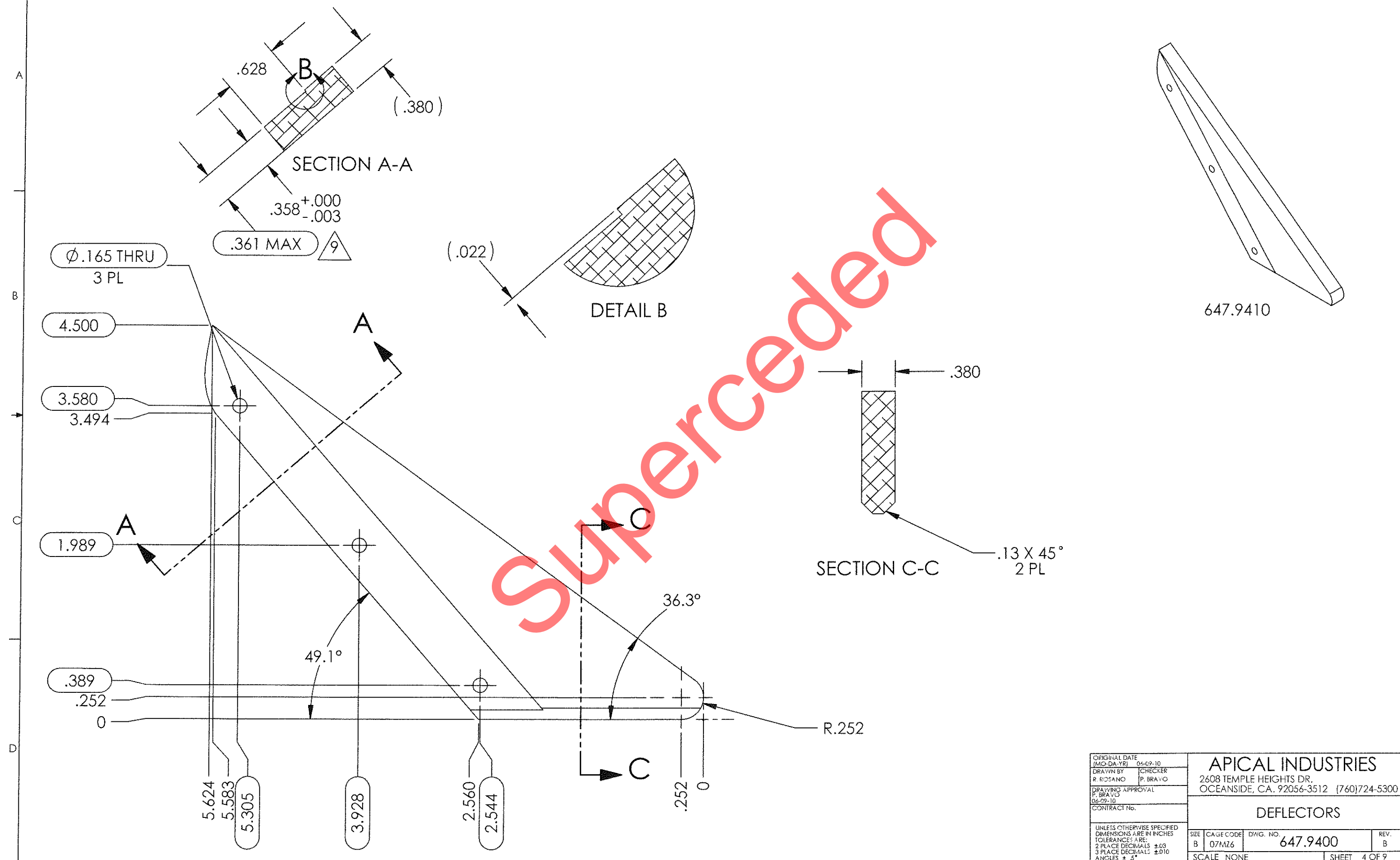
ORIGINAL DATE (MO-DA-YR) 06-09-10		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWN BY R. ROSANO	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 06-09-10		DEFLECTORS	
CONTRACT No.		SIZE B	CA GE CODE 07MZ6
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		SCALE NONE	SHEET 2 OF 9

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		SCALE NONE	SHEET 3 OF 9

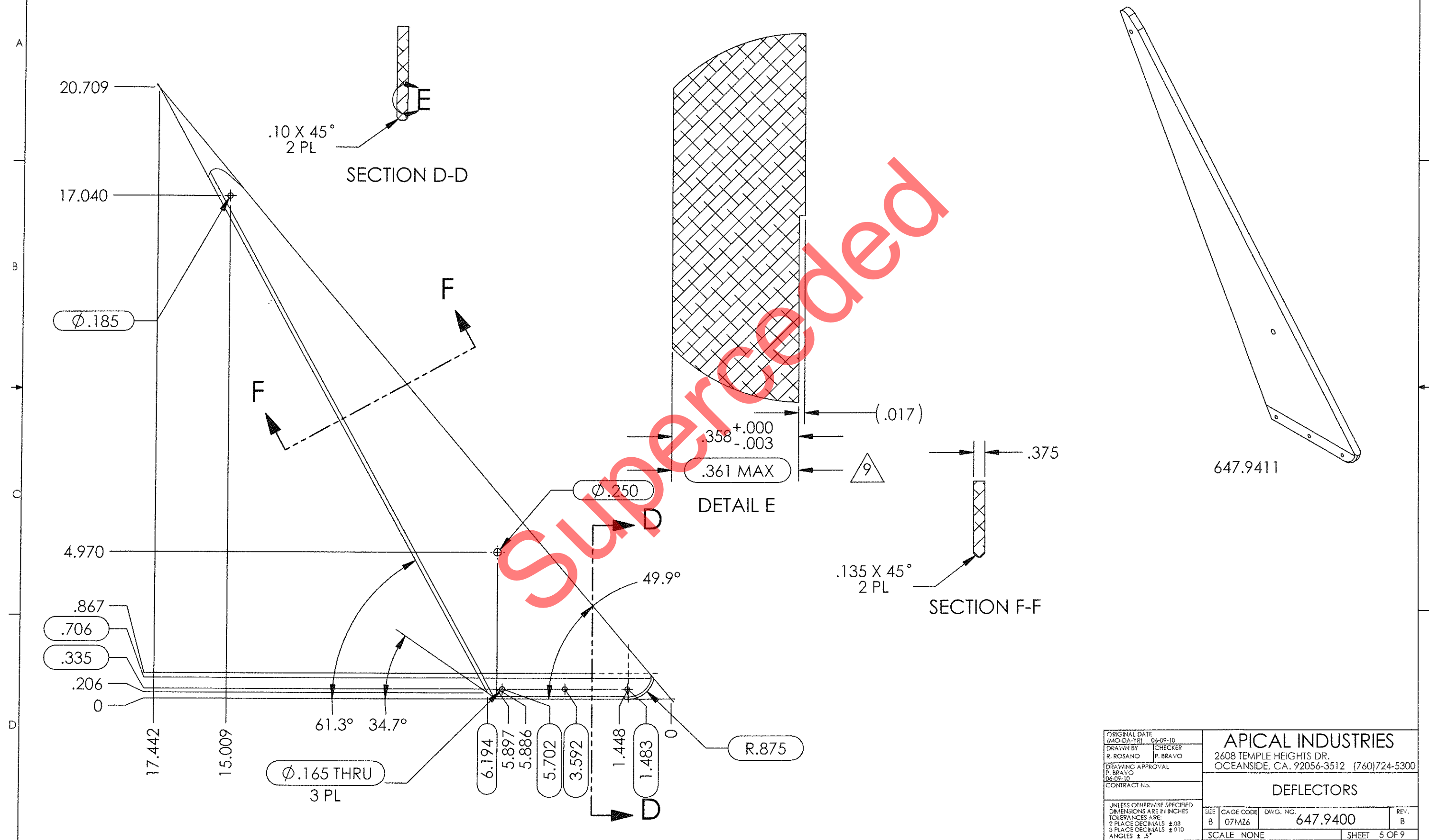
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DRAWN BY R. RIOSANO		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
CHECKER P. BRAVO		DEFLECTORS	
DRAWING APPROVAL P. BRAVO		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.03 3 PLACE DECIMALS ±.010 ANGLES ±.5°	
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		CAGE CODE 07MZ6	DWG. NO. 647.9400
		SCALE NONE	SHEET 4 OF 9

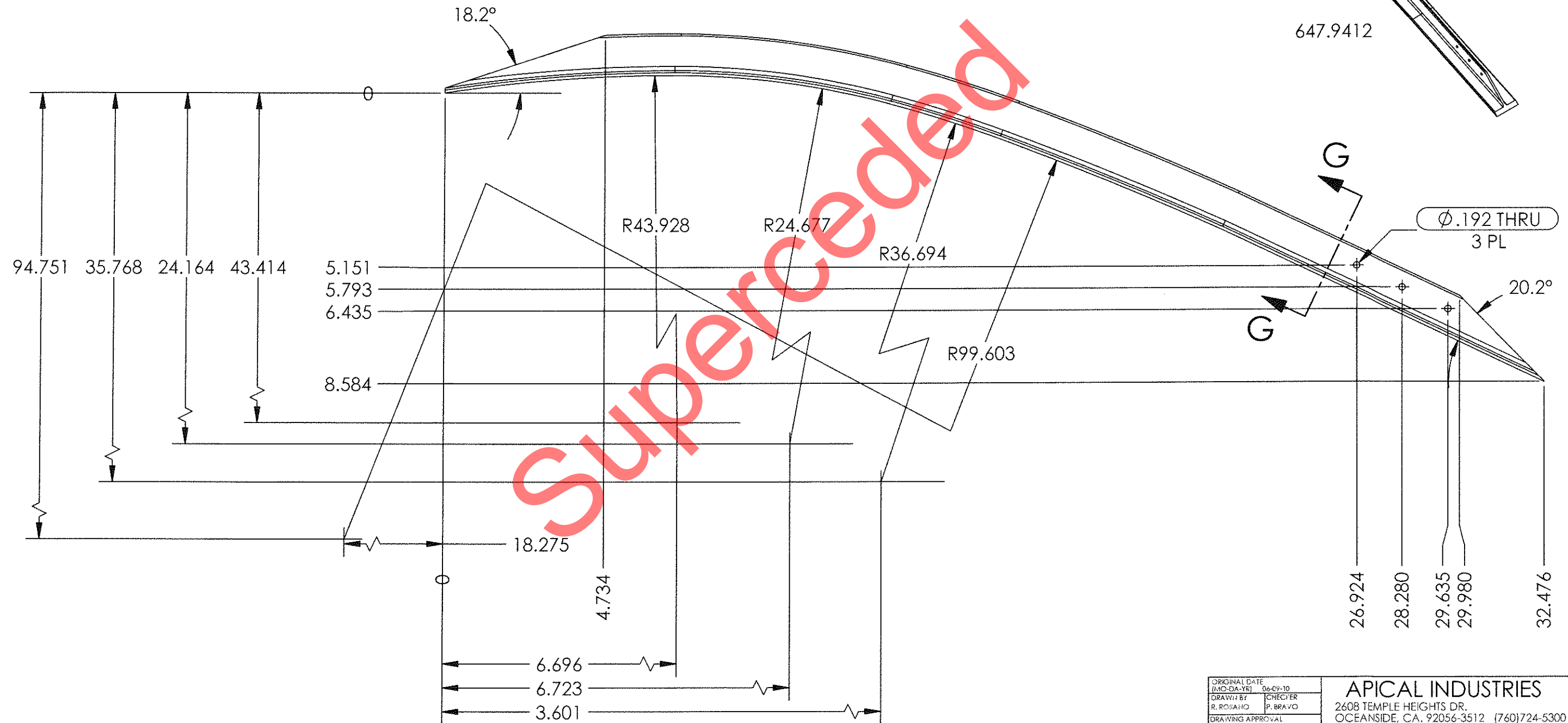
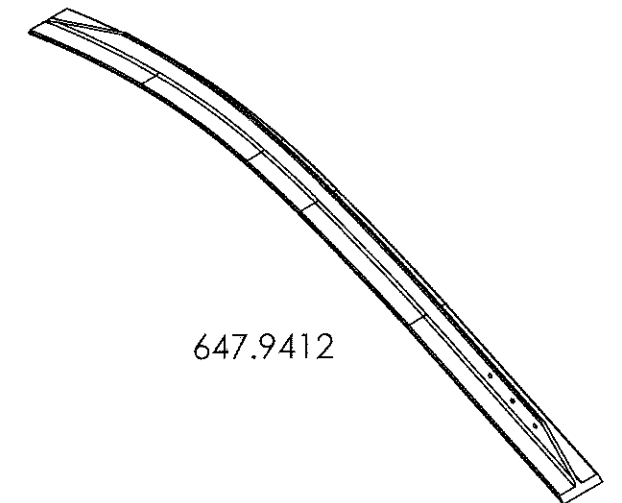
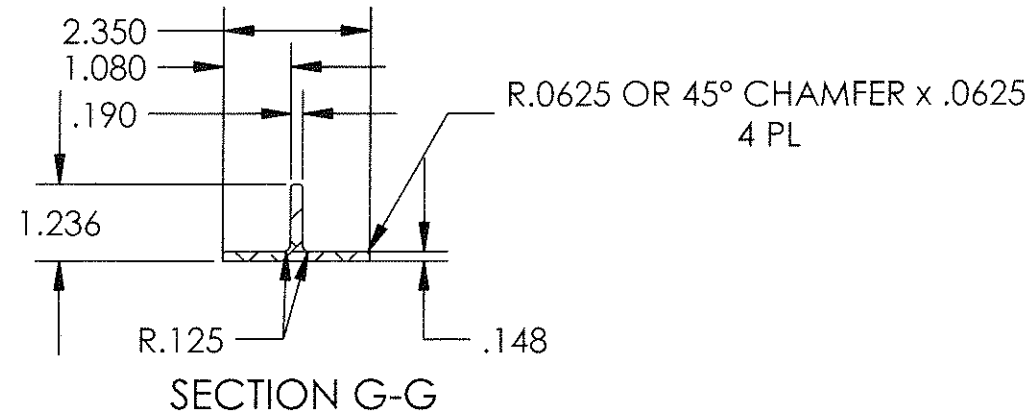


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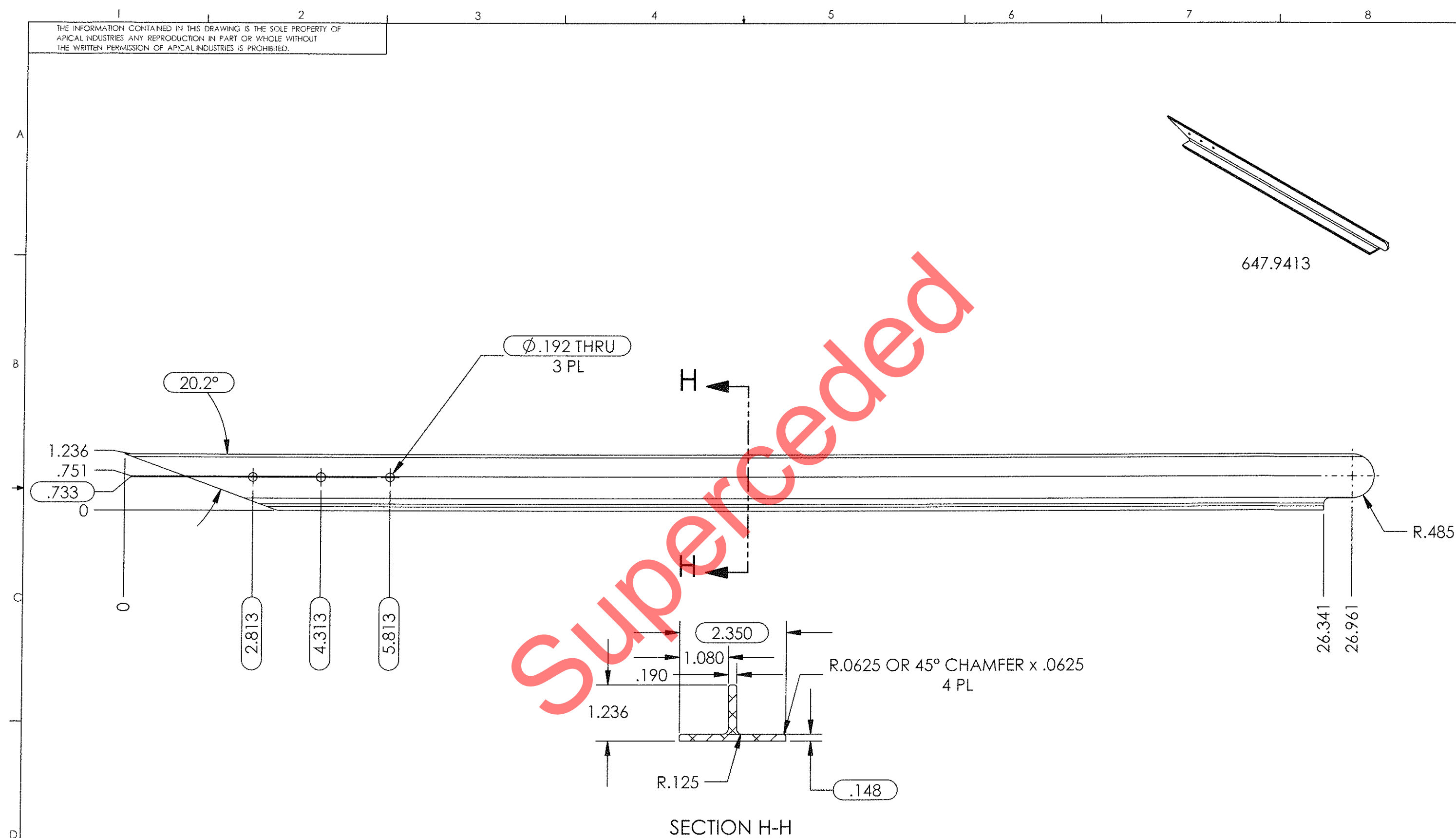
ORIGINAL DATE 02-04-1979 04-09-10		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300					
DRAWN BY R. ROSANO						CHECKER P. BRAVO	
DRAWING APPROVAL P. BRAVO 04-09-10							
CONTRACT No.		DEFLECTORS					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.03 3 PLACE DECIMALS ±.010 ANGLES ±.5°							
SIZE B	CAGE CODE 07M16	DWG. NO. 647.9400	REV. B				
SCALE NONE			SHEET 5 OF 9				

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ORIGINAL DATE (MO-DA-YR) 06-09-10		APICAL INDUSTRIES	
DRAWN BY R. ROSANO	CHECKER P. BRAVO	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO 06-09-10		DEFLECTORS	
CONTRACT NO.		SIZE B	REV. B
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		SCALE NONE	SHEET 6 OF 9

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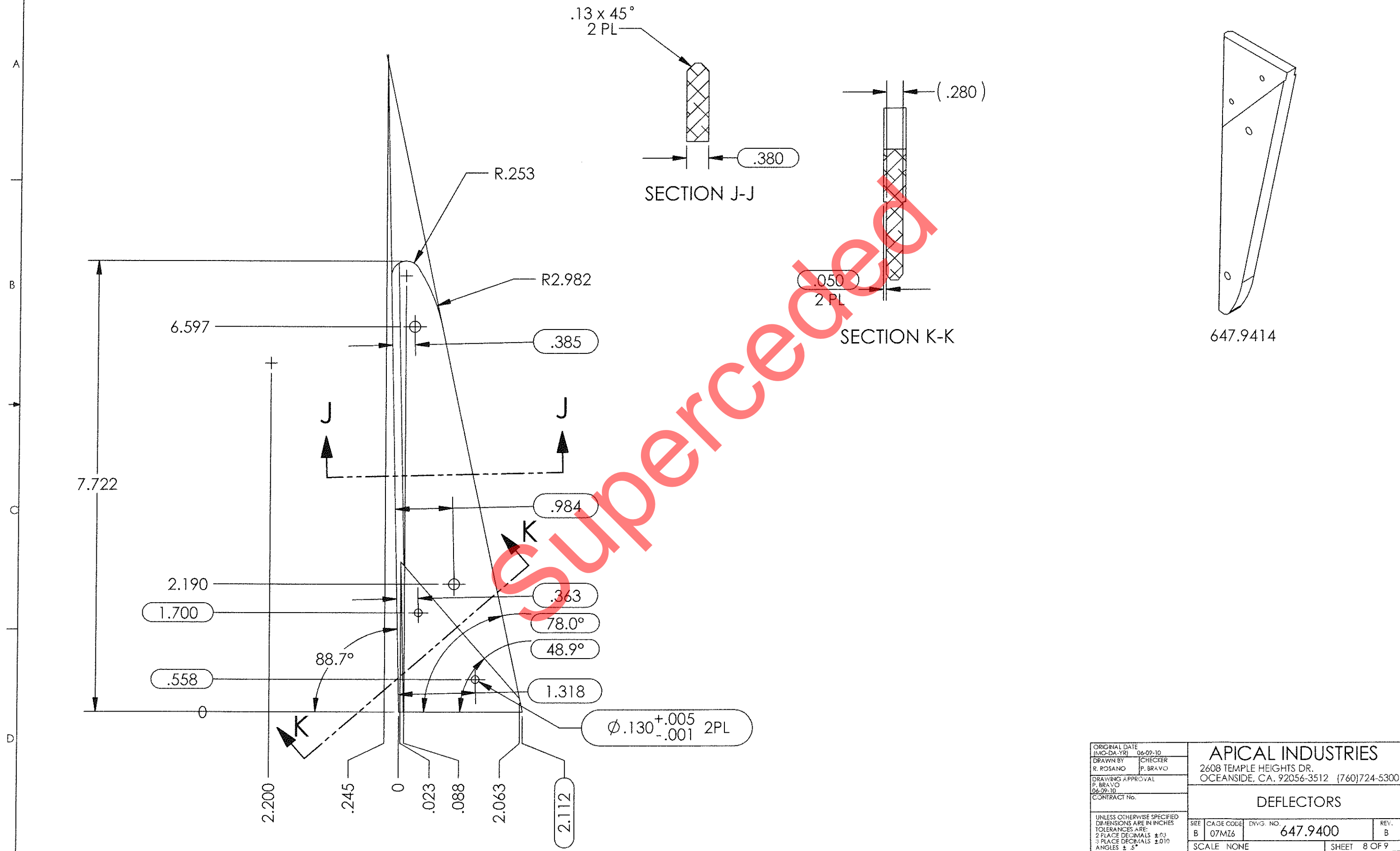


SECTION H-H

ORIGINAL DATE (MO-DA-YR) 06-09-10		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
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CONTRACT No.		SIZE B	REV. B
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SCALE NONE		SHEET 7 OF 9	

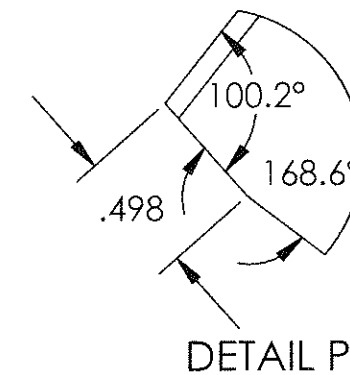
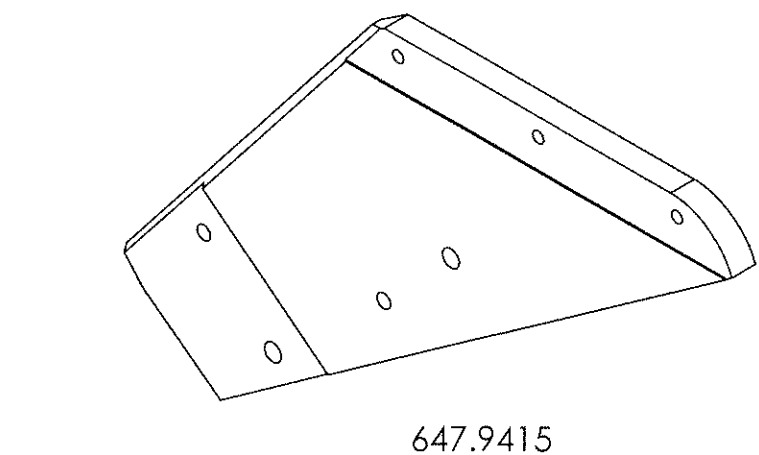
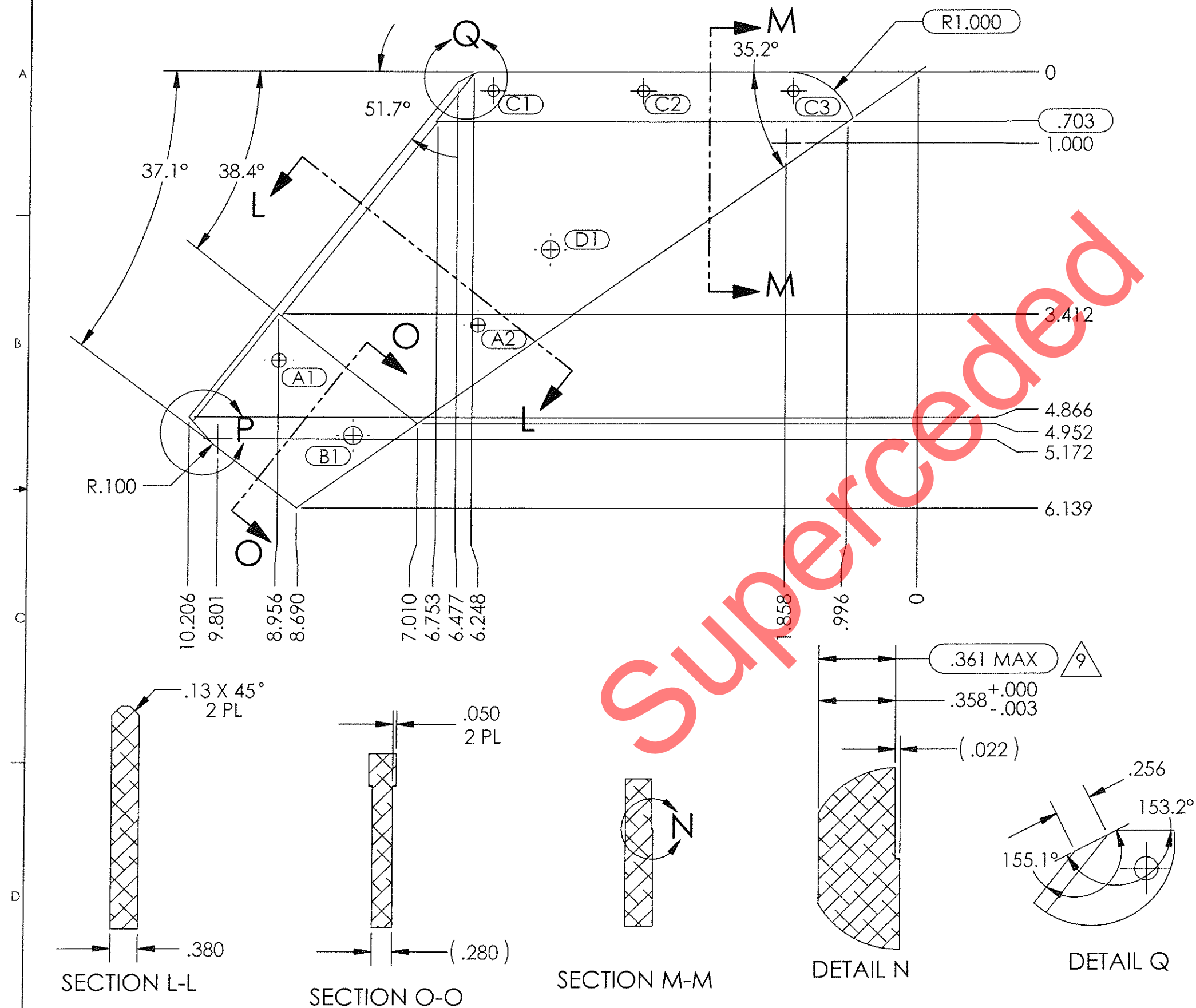


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ORIGINAL DATE (MO-DA-YR) 06-02-10		APICAL INDUSTRIES	
DRAWN BY R. ROSANO		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
CHECKER P. BRAVO		DEFLECTORS	
DRAWING APPROVAL P. BRAVO		REV. B	
06-09-10		DWG. NO. 647.9400	
CONTRACT NO.		SCALE NONE	
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TAG	X LOC	Y LOC	SIZE
A1	-8.949	-4.066	Ø.201
A2	-6.172	-3.562	Ø.201
B1	-7.903	-5.121	Ø.253
C1	-5.978	-.267	Ø.165
C2	-3.863	-.267	Ø.165
C3	-1.758	-.267	Ø.165
D1	-5.159	-2.500	Ø.250

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